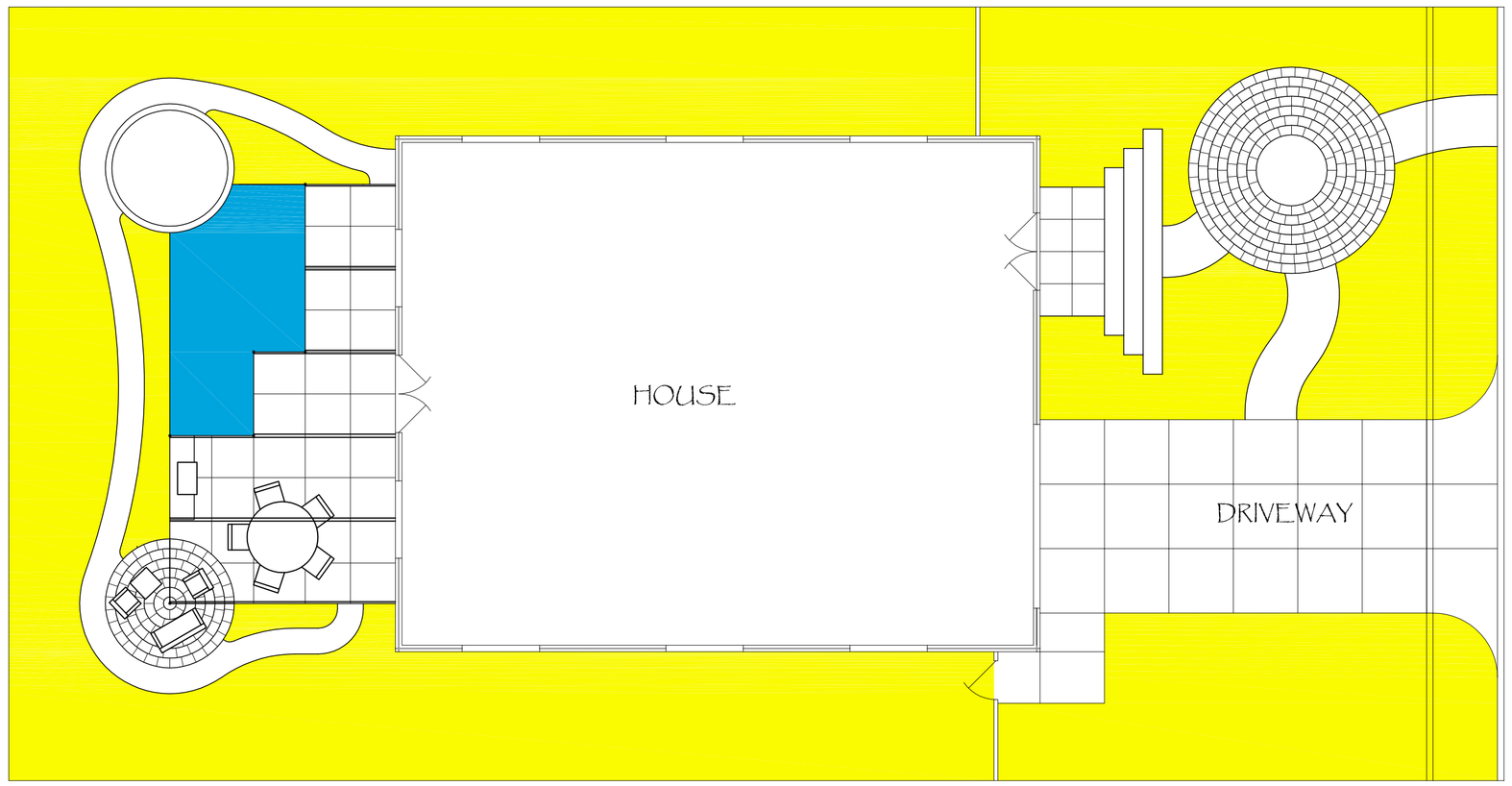

IRRIGATION CONTROLLER RUN TIMES (WHILE PLANTS ARE ESTABLISHING)

Irrigation Schedule							
PLANT TYPE / SPRINKLER TYPE	**Eto**	**AKo**	**PR RATE**	**IE**	**RUN TIME (HOURS)**	**QUANTITY**	**RUN TIME (HOURS)**
	6.8						
Days Per Week: 6							
Turf Grass:	6.80	0.90	1.74	0.70	0.20	1	0.20
Spray Heads							
Shrub Planting:	6.80	0.65	0.49	0.90	0.39	4	1.56
Drip							
CYCLES PER DAY:		**1**		**TOTAL NUMBER OF STATIONS:**		5	
TOTAL RUN TIME IN HOURS FOR ALL SPRAY ZONES:							0.20
TOTAL RUN TIME IN HOURS FOR DRIP & BUBBLERS ONLY:							1.56
TOTAL RUN TIME IN HOURS:							1.75

IRRIGATION CONTROLLER RUN TIMES (AFTER PLANTS ARE ESTABLISHED)

				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Irrigation Schedule			**ETo/Mo**	2.1	2.8	3.8	4.7	5.8	6.7	6.8	6.5	5.4	3.8	2.5	1.9
POC / Controller		**A**	**ETo/Day**	0.07	0.10	0.12	0.16	0.18	0.22	0.22	0.21	0.18	0.12	0.08	0.06
Type	**AKc**	**Pr Rate**	**IE**												
Turf Spray															
	0.8	1.74	0.7	2.7	3.9	4.8	6.2	7.1	8.8	8.6	8.3	7.1	4.8	3.3	2.4
4	**Qty. of Valves**		Total Run Times	**3**	**5**	**5**	**6**	**7**	**9**	**9**	**8**	**7**	**5**	**3**	**2**
Drip															
	0.8	3	1	1.1	1.6	2.0	2.5	2.9	3.6	3.5	3.4	2.9	2.0	1.3	1.0
1	**Qty. of Valves**		Total Run Times	**4**	**6**	**8**	**10**	**12**	**14**	**14**	**13**	**12**	**8**	**5**	**4**
Total Valves:	**5**		**TOTAL RUN TIMES (HRS):**	**0.1**	**0.2**	**0.2**	**0.3**	**0.3**	**0.4**	**0.4**	**0.4**	**0.3**	**0.2**	**0.1**	**0.1**
				JAN	**FEB**	**MAR**	**APR**	**MAY**	**JUN**	**JUL**	**AUG**	**SEP**	**OCT**	**NOV**	**DEC**

HYDROZONE LEGEND

SYMBOL	DESCRIPTION
	WET AREA (LAWN)
	DRIP IRRIGATION AREA

LANDSCAPE IRRIGATION WATER ANALYSIS

PROJECT:
Residential Typical Water-Wise Plan
Child Friendly Landscape
Southern California
Project ETo: 57.33

MAXIMUM APPLIED WATER ALLOWANCE:
(GALLONS PER YEAR)

MWA=(ETo)x(0.8)x(Total Sq. Ft.)x(.62)

57.33 x 0.8 x 2,495 x 0.62 = **70,947 Gal./Yr** **0.22 Acre Feet/Yr.**

Total Project Acreage 0.15

ESTIMATED APPLIED WATER USED:
(GALLONS PER YEAR)

EWU=(ETo)x(Plant Factor)x(Hydrozone Sq. Ft.)x(.62) / Irrigation Efficiency

HYDROZONE # 1: (Shrub area with Drip)
(57.33 x 0.4 x 2,330 x 0.62) / 0.9 = **36,808 Gal./Yr** **0.11 Acre Feet/Yr.**

HYDROZONE # 2: (Lawn area with Spray)
(57.33 x 0.9 x 165 x 0.62) / 0.9 = **5,865 Gal./Yr** **0.02 Acre Feet/Yr.**

MAXIMUM APPLIED WATER 70,947 Gal./Yr 0.22 **Acre Feet/Yr.**

TOTAL ESTIMATED WATER USE: 42,673 Gal./Yr **0.13 Acre Feet/Yr.**

CHILD FRIENDLY LANDSCAPE
TYPICAL WATER SMART RESIDENTIAL PLAN
MAWA CALCULATIONS & IRRIGATION ZONING

MYLA design landscape architecture & design services
www.MyLAdesign.com 619.865.6864

NORTH

0 2' 4' 8' 12' 16'
1/8" = 1'-0"
SCALE